June 20, 2006

Job No.: 0461,001.03

Mr. Bill Rich P.O. Box 251 Sausalito, CA 94966

Groundwater Monitoring Report - February 2006 Event 5085 Redwood Drive Rohnert Park, California

Dear Mr. Rich:

Please accept this as Edd Clark & Associates, Inc's. (EC&A's) report on the February 2006 groundwater monitoring event at 5085 Redwood Drive (site) in Rohnert Park, California (Figure 1). Groundwater monitoring is being conducted at the request of the County of Sonoma Department of Health Services (CSDHS) because of a release of fuel hydrocarbons (FHCs) to the subsurface from underground storage tanks (USTs) located at the site. Work performed for this monitoring event includes measuring depth to water (DTW) in and collecting groundwater samples for chemical analysis from monitoring wells MW-1, MW-2, MW-3 and MW-4 (Figure 2); calculating groundwater-flow direction and gradient; evaluating the results of the analyses and calculations; and preparing this report. A copy of this report will be submitted to the CSDHS for their review.

Water-level Measurements

On February 13, 2006, EC&A personnel measured DTW in MW-1 through MW-4. DTW below the top of well casing (TOC) in each well was measured to the nearest 0.01 foot (ft) with a water-level meter. The meter was cleaned and rinsed prior to taking measurements in each well. The DTW was recorded after the well caps were removed and groundwater in each well was allowed to equilibrate for at least 15 minutes. The DTW in wells MW-1 through MW-4 ranged from 3.91 ft to 4.13 ft, and the calculated groundwater-flow direction and gradient were S79°E and 0.003 ft/ft, respectively (Table 1 and Figure 2).

Groundwater Field Logs containing DTW measurements are in Appendix A. DTW data will be electronically submitted to the State GeoTracker Internet Database.

Groundwater Sampling Procedures

On February 13, 2006, EC&A personnel collected groundwater samples from MW-1 through MW-4. Prior to collecting samples, the wells were purged with a submersible pump and the purged water checked for the presence of free-floating product. Free-floating product was not present in water purged from the wells. Groundwater pH, temperature and electric conductivity were measured during purging of each well at intervals of approximately one well-casing volume. Groundwater samples were collected from each well after groundwater parameters stabilized and the water level in each well returned to a minimum of 80% of the initially recorded water level. Purge volumes and groundwater-quality parameters are recorded on the Field Logs in Appendix A.

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Groundwater samples were collected in new single-sample, disposable bailers fitted with disposable bottom-emptying devices to minimize water degassing. The samples were transferred from the bailers to properly labeled, laboratory-supplied sterile sample containers, logged on a chain-of-custody form, placed on ice and transported to McCampbell Analytical, Inc. (MAI) for chemical analysis. MAI is a State-certified laboratory in Pacheco, California.

Decontamination Procedures

Sampling equipment was cleaned onsite with a low-phosphorous, soap-and-water solution and double rinsed with tap water. Decontamination water and monitoring well purge water were placed in a properly labeled, DOT 17H 55-gallon drum for temporary, onsite storage.

Groundwater Sample Analyses and Analytical Results

Groundwater samples collected from MW-1 through MW-4 were analyzed for total petroleum hydrocarbons (TPH) as gasoline (g) and benzene, toluene, ethylbenzene and xylenes (BTEX) by Analytical Methods SW8015Cm/8021B, and for methyl tert-butyl ether (MTBE) and other gasoline oxygenates and the lead scavengers 1,2-dibromoethane (EDB) and 1,2-dichloroethane (1,2-DCA) by Analytical Method SW8260B.

MTBE was the only analyte detected in groundwater samples collected from the monitoring wells for this event. Concentrations of MTBE in MW-1, MW-2 and MW-4 were 140 micrograms per liter (μ g/l), 34 μ g/l and 530 μ g/l, respectively. MTBE was not detected in the sample collected from MW-3.

The results of analyses of groundwater samples collected from the monitoring wells are presented in Table 2. Figure 3 is an isoconcentration contour map of MTBE in groundwater at the site. A complete copy of the analytical laboratory report is in Appendix B. The results of the analyses of the samples will be electronically submitted to the State GeoTracker Internet Database.

Conclusions

Diesel (TPHd) has never been detected in groundwater collected from the monitoring wells. For the February 2005 groundwater sampling event, TPHg (in MW-1 and MW-2); BTEX components (in all four wells); and TBA (in MW-2 and MW-4) were detected for the first time. None of these analytes have been detected in subsequent monitoring events. MTBE has been detected in MW-1, MW-2 and MW-4 for all six sampling events conducted to date. In MW-3, low concentrations of MTBE were detected for four of the six events conducted to date. The highest concentrations of MTBE continue to be detected in MW-1 and MW-4 (Figure 3).

The maximum TPHg and benzene concentrations reported to date were detected in February 2005 at 400 μ g/l (MW-2) and 19 μ g/l (MW-2), respectively. The February 2005 TPHg and benzene detections in MW-2 are anomalous because MW-2 is further from the fuel dispensers and UST field

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than MW-1 and MW-4. These results may reflect the shallow DTW measured at this time (4.00 ft to 4.32 ft).

The maximum MTBE concentrations reported to date for MW-1 through MW-4 are 1200 μ g/l (February 2005), 430 μ g/l (November 2005), 6.1 μ g/l (November 2004) and 1300 μ g/l (November 2005), respectively. Between November 2005 and February 2006, MTBE concentrations decreased significantly in MW-2 and MW-4, decreased to ND in MW-3 and remained the same in MW-1. Overall, MTBE concentrations fluctuate, but appear to be declining in all four wells.

Reportedly, the regional down-gradient direction is to the southwest toward the Laguna de Santa Rosa. However, heavy extraction from municipal groundwater wells within the City of Rohnert Park has perturbed the local flow direction. To date, the groundwater flow direction has been westerly (November 2004, May, August and November 2005), and south-southeasterly (February 2005 and February 2006).

Recommendations

EC&A recommends continued quarterly groundwater monitoring in order to evaluate groundwater quality and flow direction in the vicinity of the UST field and fuel dispensers during changes in seasonal water-table levels. During each sampling event, water levels should be measured in all wells and groundwater samples should be collected from each well and analyzed by Analytical Methods SW8015Cm/8021B for TPHg and BTEX, and by Analytical Method SW8260B for MTBE, other gasoline oxygenates and lead scavengers EDB and 1,2-DCA. As previously recommended, analysis for TPHd will not be done because it was not detected in any of the wells for four consecutive sampling events.

Schedule

EC&A's Workplan: Additional Soil and Groundwater Investigation, dated March 24, 2005, which was approved by the CSDHS in their June 27, 2005 letter, was implemented on May 2, 3 and 10, 2006. As part of the May 2006 Soil And Groundwater Investigation, samples were collected from the four existing monitoring wells and the two that were installed during the investigation. A report of the May 2006 investigation will be submitted to the CSDHS in July 2006.

In their letter date March 22, 2006, the CSDHS requested that the water supply wells at 4651, 4655 and 4657 Willis Avenue be sampled quarterly for TPHg, BTEX, MTBE, TBA, DIPE, ETBE, TAME, 1,2-DCA and EDB, and established the due date for the first sampling and reporting as April 28, 2006. With the approval of the CSDHS, these wells were sampled on May 3 during the May 2006 investigation. A brief letter report of the water-well sampling event was submitted to the CSDHS on June 13, 2005.

Richard W. Ely

No. 4137

Job No.: 0461,001.03

Limitations

The conclusions presented in this report are professional opinions based on the information presented herein, which includes data generated by others. Whereas EC&A does not guarantee the accuracy of data supplied by third parties, we reserve the right to use this data in formulating our professional opinions. This report is intended only for the indicated purpose and project site. Conclusions and recommendations presented herein apply to site conditions existing at the time of our study. Changes in the conditions of the site property can occur with time because of natural processes or the works of man on the site or adjacent properties. In addition, changes in applicable standards can also occur as the result of legislation or from the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond our control.

Thank you for allowing EC&A to provide environmental services for you. Please call John Calomiris, project manager, if you have any questions.

Sincerely,

Etta Jon VandenBosch

Environmental Scientist

Richard Ely, PG #4137

Senior Geologist

Kim Ex

Attachments: Figure 1 - Site Location Map

Figure 2 - Groundwater Elevation Map, 13 February 2006

Figure 3 - MTBE in Groundwater Isoconcentration Contour Map, 13 February 2006

Table 1 - Groundwater Elevation Data

Table 2 - Analytical Results - Groundwater Samples from Monitoring Wells

Appendix A - Groundwater Field Logs

Appendix B - Analytical Laboratory Report

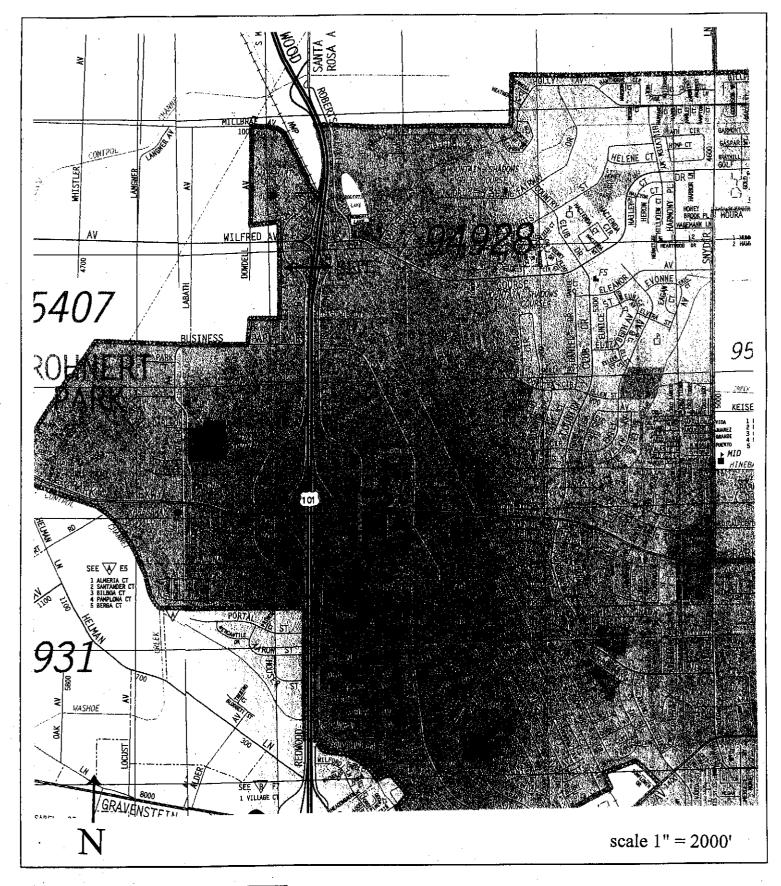
Cliff Ives, County of Sonoma Department of Health Services cc:

Thomas and Helen Roberts

Mostafa K. Behzadpour

Susan Keeger, Artesia Mortgage Capital Corporation

0461\QMR Feb06



EDD CLARK & ASSOCIATES, INC.
ENVIRONMENTAL CONSULTANTS

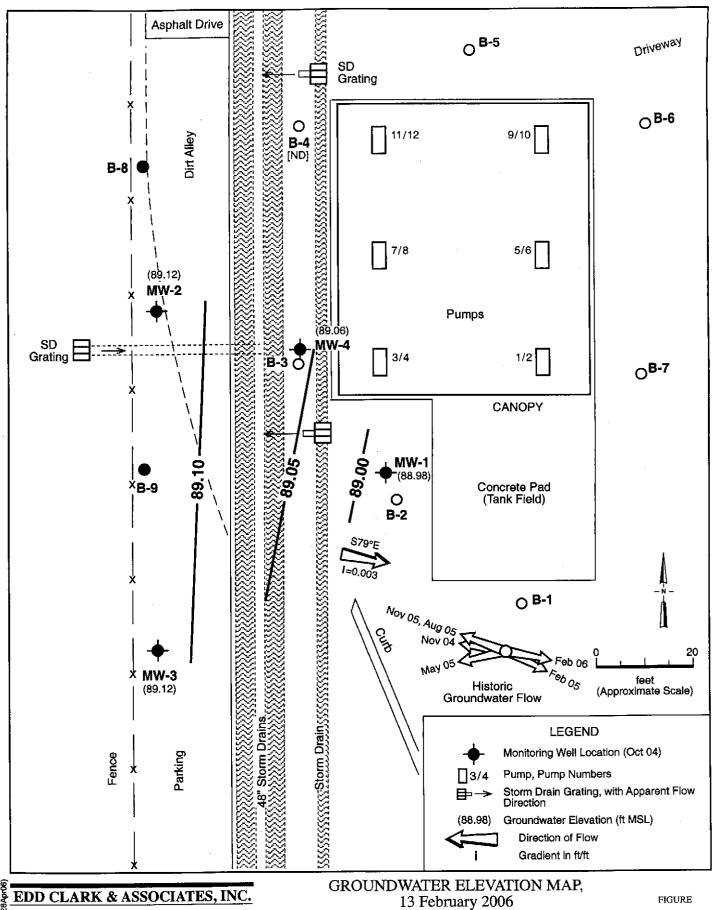
Site Location Map 5085 Redwood Drive Rohnert Park, California FIGURE

1

JOB NUMBER 0461,001.03

REVIEWED BY

DATE November 2003 REVISED DATE



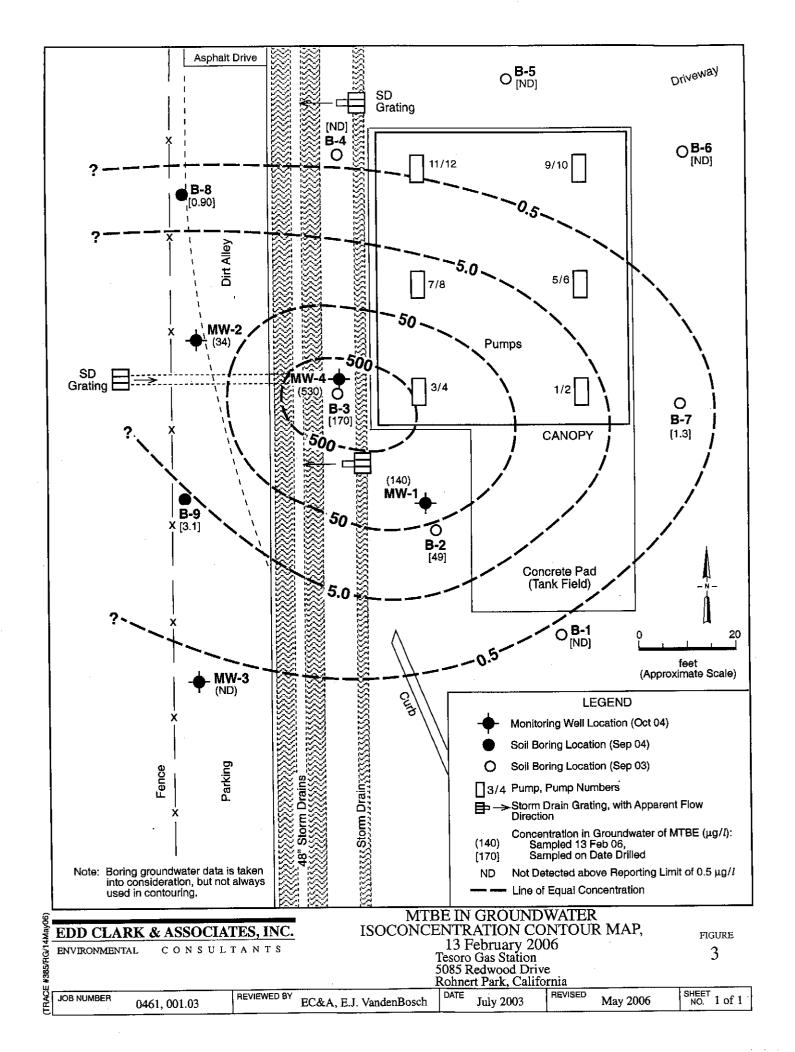


Table 1. Groundwater Elevation Data 5085 Redwood Drive, Rohnert Park, California

Well ID	Date	TOC Elevation feet	DTW feet	Groundwater Elevation feet
MW-1	11/09/04	93.11	5.88	87.23
MW-2		93.03	6.07	86.96
MW-3		93.23	6.22	87.01
MW-4		93.12	6.02	87.10
		Gradient: N79°	W, 0.005 ft/ft	
MW-1	02/16/05	93.11	4.30	88.81
MW-2		93.03	4.00	89.03
MW-3]	93.23	4.32	88.91
MW-4		93.12	4.20	88.92
		Gradient: S64°	E, 0.004 ft/ft	
MW-1	05/03/05	93.11	4.69	88.42
MW-2		93.03	4.67	88.36
MW-3]	93.23	4.88	88.35
MW-4]	93.12	4.70	88.42
		Gradient: S75°	W, 0.016 ft/ft	
MW-1	08/17/05	93.11	6.28	86.83
MW-2]	93.03	6.48	86.55
MW-3]	93.23	6.54	86.69
MW-4]	93.12	6.39	86.73
		Gradient: N71°	W, 0.005 ft/ft	
MW-1	11/04/05	93.11	5.31	87.80
MW-2		93.03	5.54	87.49
MW-3		93.23	5.59	87.64
MW-4]	93.12	5.45	87.67
		Gradient: N71°	°W, 0.006 ft/ft	

Table 1. Groundwater Elevation Data 5085 Redwood Drive, Rohnert Park, California

Well ID	Date	TOC Elevation feet	DTW feet	Groundwater Elevation feet
MW-1	02/13/06	93.11	4.13	88.98
MW-2		93.03	3.91	89.12
MW-3		93.23	4.11	89.12
MW-4		93.12	4.06	89.06
		Gradient: S79°E	, 0.003 ft/ft	

TOC: Top of casing elevation measured relative to mean sea level (msl)

DTW: Depth to water from TOC

Analytical Results - Groundwater Samples from Monitoring Wells 5085 Redwood Drive, Rohnert Park, California Table 2.

Well ID	Sample Date	DTW feet	l/gni	TPHd μg/l	Benzene µg/l	Toluene µg/l	Ethyl- benzenc µg/l	Xylenes μg/l	MTBE µg/l	TBA μg/l	Other Oxygenates and Lead Scavengers µg/l
MW-1	11/09/04	5.88	ND<50 i	ND<50 i	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1100	ND<500	ND<50 to <50,000
	02/16/05	4.30	64 a	ND<50	2.1	6	1.3	7.6	1200	ND<250	ND<25 to <25,000
	02/03/02	4.69	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1100	ND<500	ND<50 to <50,000
	08/17/05	6.28	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	780	ND<500	ND<50 to <50,000
	11/04/05	5.31	ND<50	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	140	ND<25	ND<2.5 to <2500
	02/13/06	4.13	ND<50	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	140	ND<50	ND<5.0 to <5000
MW-2	11/09/04	6.07	ND<50 i	ND<50 i	ND<0.5	ND<0.5	ND<0.5	ND<0.5	370	ND<50	ND<5.0 to <5000
	02/16/05	4.00	400 ª	ND<50	19	82	10	99	230	64	ND<5.0 to <5000
	05/03/05	4.67	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	69	ND<10	ND<1.0 to <1000
	08/17/05	6.48	ND<50	05>QN	ND<0.5	ND<0.5	ND<0.5	ND<0.5	390	ND<500	ND<50 to <50,000
	11/04/05	5.54	ND<50	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	430	ND<50	ND<5.0 to <5000
	02/13/06	3.91	ND<50	NA	S.0>UN	ND<0.5	ND<0.5	ND<0.5	34	ND<5.0	ND<0.5 to <500
MW-3	11/09/04	6.22	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.1	ND<5.0	ND<0.5 to <500
	02/16/05	4.32	ND<50	ND<50	1.5	6.6	0.77	4.8	1.2	ND<5.0	ND<0.5 to <500
	05/03/05	4.88	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5 to <500
	08/17/05	6.54	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.4	ND<5.0	ND<0.5 to <500
	11/04/05	5.59	ND<50	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.6	ND<5.0	ND<0.5 to <500
	02/13/06	4.11	ND<50	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5 to <500

Analytical Results - Groundwater Samples from Monitoring Wells 5085 Redwood Drive, Rohnert Park, California Table 2.

Well ID	Sample Date	DTW	TPHg μg/l	TPHd µg/l	Benzene µg/l	Toluene µg/l	Ethyl- benzene µg/l	Xylenes µg/l	MTBE µg/l	TBA μg/l	Other Oxygenates and Lead Scavengers
MW-4	11/09/04	6.02	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	160	ND<250	ND<25 to <25,000
	02/16/05	4.20	ND<50	ND<50	ND<0.5	2	ND<0.5	1.4	1200	530	ND<25 to <25,000
	05/03/05	4.70	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	700	ND<170	ND<17 to <17,000
	08/17/05	6:39	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	068	ND<120	ND<12 to <12,000
	11/04/05	5.45	ND<50	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1300	ND<250	ND<25 to <25,000
	02/13/06	4.06	ND<50	NA	ND<0.5	ND<0.5	ND<0.5 ND<0.5	ND<0.5	530	ND<100	ND<10 to <10,000

Depth to groundwater below top of well casing DTW:

Total petroleum hydrocarbons as gasoline TPHg: TPHd:

Total petroleum hydrocarbons as diesel

Methyl tert-butyl ether; analyzed by Analytical Method SW8260B MTBE:

T-butyl alcohol TBA:

Micrograms per liter

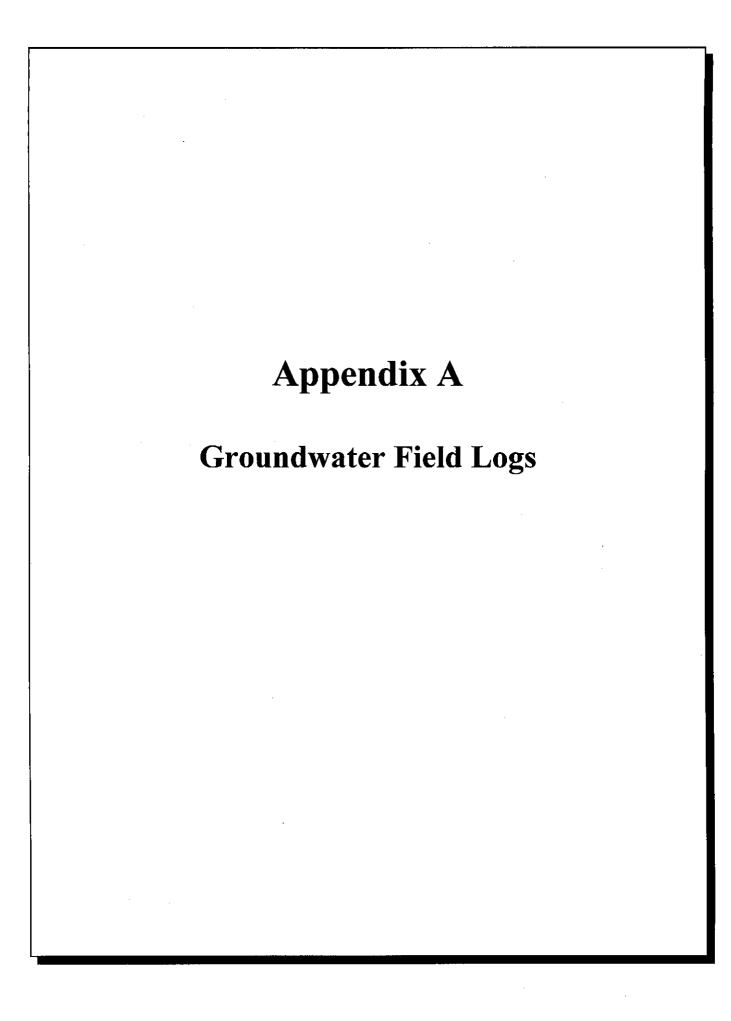
Not detected above the respective reporting limit μg/l: ND: NA:

Not analyzed

Unmodified or weekly modified gasoline is significant

Liquid sample that contains greater than ~1 vol. % sediment

0461\tables 1&2



DAILY FIELD RECORD		Page	1 of <u> </u>
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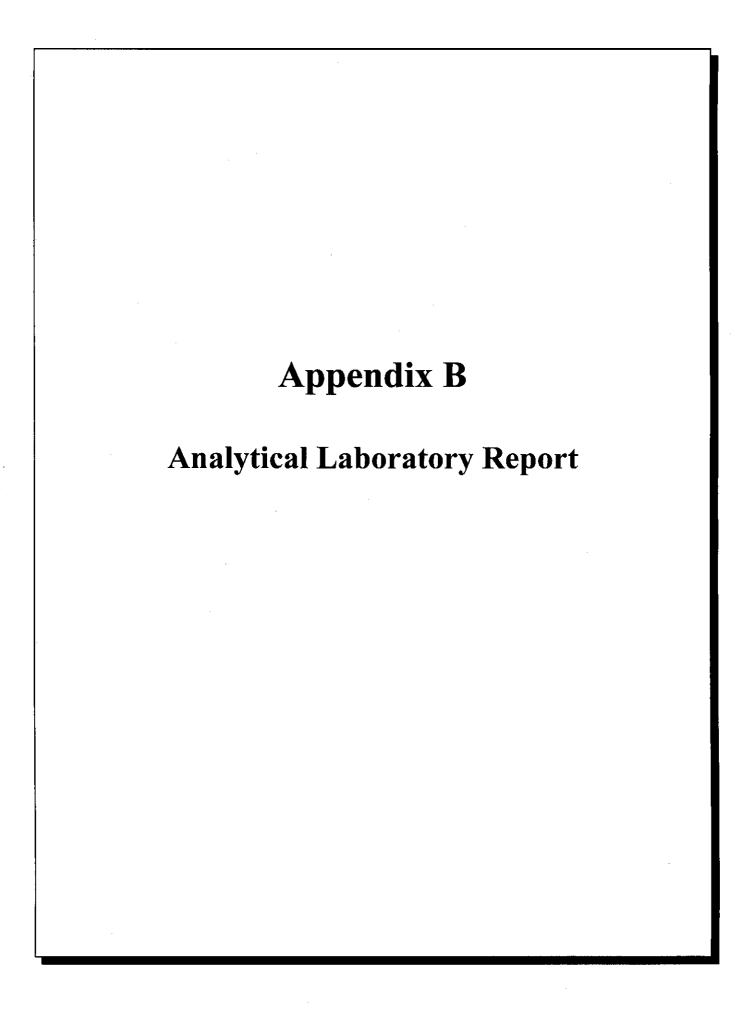
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2" well =	0.17 gal/ft (5.87	☐ 6" well = 1.47	gal/ft	Gallons in 1 v	vell volume: ∂_{i}	39	
☐ 4" well =	0.66 gal/ft	;	□ " well =	gai/ft	Total gallons	removed: 8.1	Well volumes re	moved: 3
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LABORATO	RY McCan	npbell Anal	vtical □ Ot	her:				

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EDD CLARK & ASSOCIATES, INC. ENVIRONMENTAL CONSULTANTS

GROUNDWATE	ER 🗆 SUR	FACE WATER	☐ DOMESTIC	WATER [IRRIGATION WATE	R 🗆 WELL DI	EVELOPMENT	
)461			Field point na	ame: MW —	3		
	609729	469		Well depth fro	om TOC:			
		MOON DI	?	Well diameter	2" 🗆 4 " 🗆 6"	Other:		
		MODO DE		Product level	from TOC: NO			
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2" well = 0.17 gs	al/ft K.&^\	☐ 6" well = 1.47	gal/ft	Gallons in 1 v	well volume: 2,	7	-	
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	Type:	GPM:	Pump: ES-4	Type: Submer	sible	GPM: 1)- 2	a!	
	Туре:	GPM:			ox wash, double rinse			
Sample analysis:		TPH¢ □ TPH		7 oxygenates	····	□ VOCs	□ Nitrates	
EPA Method:	(
Other:								
LABORATORY	McCampbell An	alytical Otl	ner:					

X GROUND	WATER	SURFAC	CE WATER	☐ DOMESTIC	WATER	□ IRRIGATIO	ON WATER	. □ WELI	DEVELOPMENT
Project No:	046				Field point r	name: M	<u>w - 4</u>	· · · · · · · · · · · · · · · · · · ·	
Global ID:	T0609		69		Well depth f	rom TOC:	20		
Project locati	on: 5085			<u> </u>	Well diamet	er. 2" 🗆	4 "□6"	☐ Other:	
- 	13/05	1-12-	<u> </u>		Product leve	l from TOC:	W		
Time: 10 10	<u> </u>				Water level	from TOC:	4,06		
Recorded by:		〈			Screened int	erval:	5-20)	
Purge time (d	uration):				Well elevation	on (TOC):			
				WEA	THER	,			
Wind:	0	_ <	5 M	ph:	Precip. in la	st 5 days:	<u> 60</u>		
			VOLUME OF	WATER TO BE	REMOVED BI	EFORE SAM	PLING	· · · · · · · · · · · · · · · · · · ·	<u>-</u>
2" well =	0.17 gal/ft K	,94 =	6" well = 1.47	gal/ft	Gallons in 1	well volume:	20	10	
☐ 4" well =	0.66 gal/ft	Ĺ] "well=	gal/ft	Total gallon	s removed:	$g_{i,l}$	Well volumes	removed: 3
				CALIB	RATION	·. ·	· ·	·	
Parameter	Tir	ne	Calibration	Before Sampling	4	Time		Aft	er Sampling
									<u> </u>
EC:					<u> </u>	· .	·		1900
				FIELD MEA	SUREMENTS	3	·		
Time	pН	EC (x1000)	7 Temp °F	Case Volumes/ Gallons			Appea	rance	
	7,80	1333	63.6	1/ 2.7	Cu	TURO	. 10	owe	NO SHEEN
	7.67	1350	635	21514					
	7,63	1346	bul	3/8,				<u></u>	·
				1		,			
Notes:						——————————————————————————————————————			
									· · · · · · · · · · · · · · · · · · ·
	·			<u> </u>					·
		·				<i>X</i> -			
	<u> </u>	· · · · · · · · · · · · · · · · · · ·	·	T.				1	4
	fter purging be			80% of original v	vater level belov	w TOC:			J
	efore sampling	below TOC:	400)	<u> </u>		•		ne: 530
Appearance o	f sample:	<u> </u>		117	V				ie:
□ Bailer:	Type:	-	PM:	Pump: ES-4				GPM: 1/- 2	
□ Dedicated			PM:	Decontamination			······································	Lance	☐ Nitrates
Sample analy	- (- ·	Ig □ TP1	Hd □ TPH	BTEX	7 oxygenate	s Cad	scavengers	□ VOCs	□ 141msrcs
EPA Method:						L			
Other:							,		
LABORATO	RY: McCa	npbell Analyi	tical 🗆 O	ther:			· · · · · · · · · · · · · · · · · · ·		





Telephone: 925-798-1620 Fax: 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Edd Clark & Associates, Inc.	Client Project ID: #0461; Jesoro	Date Sampled: 02/13/06
320 Professional Center Ste. 215		Date Received: 02/15/06
Dalament Benja CA 04039	Client Contact: Chris Janiszewski	Date Reported: 02/21/06
Rohnert Park, CA 94928	Client P.O.:	Date Completed: 02/21/06

WorkOrder: 0602264

February 21, 2006

Dear Chris:

Enclosed are:

- 1). the results of 4 analyzed samples from your #0461; Jesoro project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com

Edd Clark & Associates, Inc.	Client Project ID: #0461; Jesoro	Date Sampled: 02/13/06
320 Professional Center Ste. 215		Date Received: 02/15/06
D 1	Client Contact: Chris Janiszewski	Date Extracted: 02/16/06
Rohnert Park, CA 94928	Client P.O.:	Date Analyzed: 02/16/06

Extraction meth	od: SW5030B		Analy	tical methods: SV	/8021B/8015Cm				rder: 06	
Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% S:
001A	MW-1	w	ND		ND	ND	ND	ND	1	108
002A	MW-2	w.	ND		ND	ND	ND	ND	1	110
003A	MW-3	w	ND		ND	ND	ND	ND	1	100
004A	MW-4	w	ND		ND	ND	ND	ND	1	106
s										
	_								-	
		,							-	<u> </u>
			<u> </u>							
	ing Limit for DF =1;	w	50	5.0	0.5	0.5	0.5	0.5	1	μд
	ans not detected at or the reporting limit	S	NA	NA	NA	NA	NA	NA	1	mg/

above the reporting mint	1			1	ļ	L	
						• 1 /	
* water and vapor samples and all TCLP &	& SPLP extracts are report	ted in ug/L, soil/sludge/so	olid samples in mg/kg,	wipe samples in μ_{ξ}	g/wipe, product/o	t√non-	
aqueous liquid samples in mg/L.							

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

Angela Rydelius, Lab Manager

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range nontarget isolated peaks subtracted out of the TPH(g) concentration at the client's request.



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Edd Clark & Associates, Inc.

320 Professional Center Ste. 215

Rohnert Park, CA 94928

Client Project ID: #0461; Jesoro

Date Sampled: 02/13/06

Date Received: 02/15/06

Client Contact: Chris Janiszewski

Date Extracted: 02/16/06

Client P.O.:

Date Analyzed: 02/16/06

Oxygenated	Volatile Organics + EDB and 1,2-DCA by P&T and	GC/MS*
Extraction Method: SW5030B	Analytical Method: SW8260B	Work Order: 0602264
	the state of the s	

Extraction Method: SW3030B	, 110	arytical Metitou: 5 W 620	-		WOLK OIG	
Lab ID	0602264-001B	0602264-002B	0602264-003B	0602264-004B		
Client ID	MW-1	MW-2	MW-3	MW-4	Reporting Limit for DF = I	
Matrix	W	w	w	W		
DF	10 1 20		20	S	W	
Compound		Conc	entration		ug/kg	μg/L
tert-Amyl methyl ether (TAME)	ND<5.0	ND	ND	ND<10	NA	0.5
t-Butyl alcohol (TBA)	ND<50	ND	ND	ND<100	NA	5.0
1,2-Dibromoethane (EDB)	ND<5.0	ND	ND	ND<10	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<5.0	ND	ND	ND<10	NA	0.5
Diisopropyl ether (DIPE)	ND<5.0	ND	ND	ND<10	NA	0.5
Ethanol	ND<500	ND	ND	ND<1000	NA	50
Ethyl tert-butyl ether (ETBE)	ND<5.0	ND	ND	ND<10	NA	0.5
Methanol	ND<5000	ND	ND	ND<10,000	NA	500
Methyl-t-butyl ether (MTBE)	140	34	ND	530	NA	0.5
	Surr	ogate Recoveries	s (%)			
%SS1:	105	104	104	103		. —
Comments						

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0602264

EPA Method: SW8021B/	EPA Method: SW8021B/8015Cm Extraction: SW5030B							Spiked Sample ID: 0602245-001A		
Analyte	Sample	Spiked	мѕ		MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%)	
	μg/L	μg/L	% Rec.						MS / MSD	LCS / LCSD
TPH(btex) [£]	ND	60	109	109	0	111	112	1.01	70 - 130	70 - 130
MTBE	ND	10	91.8	88	4.18	85.7	94.6	9.96	70 - 130	70 - 130
Benzene	ND	10	100	94.7	5.92	97	95.1	1.97	70 - 130	70 - 130
Toluene	ND	10	100	94.8	5.68	97.2	96.1	1.14	70 - 130	70 - 130
Ethylbenzene	ND	10	104	97.9	5.64	99.9	97.5	2.41	70 - 130	70 - 130
Xylenes	ND	30	103	100	3.28	100	99.7	0.334	70 - 130	70 - 130
%SS:	115	10	100	98	1.92	101	96	5.09	70 - 130	70 - 130

 $All \ target \ compounds \ in \ the \ Method \ Blank \ of \ this \ extraction \ batch \ were \ ND \ less \ than \ the \ method \ RL \ with \ the \ following \ exceptions:$

NONE

BATCH 20319 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602264-001A	2/13/06 3:00 PM	2/16/06	2/16/06 5:11 AM	0602264-002A	2/13/06 3:15 PM	2/16/06	2/16/06 5:43 AM
0602264-003A	2/13/06 2:45 PM	2/16/06	2/16/06 6:15 AM	0602264-004A	2/13/06 3:30 PM	2/16/06	2/16/06 6:47 AM
0602264-004A	2/13/06 3:30 PM	2/16/06	2/16/06 6:53 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

[£] TPH(btex) = sum of BTEX areas from the FID.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0602264

EPA Method: SW8260B	EPA Method: SW8260B		SW5030	В	BatchID: 20334			Spiked San	nple ID: 060	ID: 0602263-002B			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)			
	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD			
tert-Amyl methyl ether (TAME)	ND	10	100	99.4	0.721	96.1	98.2	2.12	70 - 130	70 - 130			
t-Butyl alcohol (TBA)	ND	50	88.9	88.6	0.391	86.7	89	2.55	70 - 130	70 - 130			
1,2-Dibromoethane (EDB)	ND	10	110	107	2.68	110	110	0	70 - 130	70 - 130			
1,2-Dichloroethane (1,2-DCA)	ND	10	101	102	1.57	103	101	2.38	70 - 130	70 - 130			
Diisopropyl ether (DIPE)	ND	10	104	103	0.441	102	103	1.42	70 - 130	70 - 130			
Ethanol	ND	500	93.9	95.6	1.74	105	90.5	14.5	70 - 130	70 - 130			
Ethyl tert-butyl ether (ETBE)	ND	10	94.5	98.8	4.50	96.7	99.4	2.73	70 - 130	70 - 130			
Methanol	ND	2500	98.8	97.3	1.58	97.8	96.9	0.948	70 - 130	70 - 130			
Methyl-t-butyl ether (MTBE)	ND	10	101	101	0	98.5	99.9	1.44	70 - 130	70 - 130			
%SS1:	104	10	99	102	3.06	100	100	0	70 - 130	70 - 130			

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20334 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602264-001B	2/13/06 3:00 PM	2/16/06	2/16/06 7:38 PM	0602264-002B	2/13/06 3:15 PM	2/16/06	2/16/06 8:20 PM
0602264-003B	2/13/06 2:45 PM	2/16/06	2/16/06 9:03 PM	0602264-004B	2/13/06 3:30 PM	2/16/06	2/16/06 11:11 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

QA/QC Officer

Kathleen Owen E-mail in EDF for Upload to Geotracker: Remarks D&G METALS OTHER APPROPRIATE Received by: Yes No D Initials Received by: GOOD CONDITION HEAD SPACE ABSENT
DECHLORIVATED IN LAB PRESERVATION V Time: Time: Date: P.O. Box 3039, Rohnert Park, CA 94927 Tel: (707) 792-9500 (800) 474-1448 Fax: (707) 792-9504 Analysis Chain of Custody Report Relinquished by: Relinquished by # of Items W Facility Name & Location:

Tescolo R. P.

Sess Reductor P.R. Date: | Time: | Received by: ROHNER MAR CA Received by Media 3 CHAIS JANISZEWSK h necono CHE Sample DCAR Type Time: Sample ID (depth) Associates, Inc. 345 33 Edd Clark & Time 风 Environmental Consultants Samplers Signature: Relinquished by: Relinquished by Date EC&A job# Global I.D. # Field 丁多十 Name + AW3 Point でるこ 1

110 Second Avenue South, #D7 Pacheco, CA 94553-5560 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0602264

ClientD: ECAR

Page 1 of

Chris Janiszewski

320 Professional Center Ste. 215 Edd Clark & Associates, Inc. Rohnert Park, CA 94928

(707) 792-9500

(707) 792-9504 ProjectNo: #0461; Jesoro

Ö.

EDF: YES

Report to:

FAX

Requested TAT:

5 days

Date Received:

02/15/2006 02/15/2006

Date Printed:

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Requested Tests (See legend below) 9

Rohnert Park, CA 94928

320 Professional Center Ste.215

Edd Clark & Associates, Inc.

Accounts Payable

Bill to:

Ŋ 4 (r) N

Collection Date Hold

Matrix

ClientSamplD

Sample ID

⋖ ⋖ В 8 8 മ 2/13/06 3:15:00 PM 2/13/06 3:00:00 PM 2/13/06 2:45:00 PM 2/13/06 3:30:00 PM

> Water Water Water

> > MW-3

0602264-003 0602264-002

0602264-001

0602264-004

Water

MW-1 MW-2

Test Legend:

W_SYXO-9 11 φ

G-MBTEX_W 7 12

φ,

PREDF REPORT

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Prepared by: Kathleen Owen

Comments:

GI# T0609729469

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.